

Syndromic Surveillance Event Detection of Nebraska (SSEDON)

Emergency Department Syndromic Surveillance Element List

Document Version 1.0

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This element list contains descriptions of the elements in CDC's required minimum data set and Nebraska's extended data set to be sent from hospital's emergency department visits and urgent care facility visits. These messages are sent to the Syndromic Surveillance Event Detection of Nebraska system as a part of the Nebraska Department of Health and Human services for syndromic surveillance purposes.

Recorded Date/Time of Transaction	Date and time when the Transaction was entered. YYYYMMDDHHMM[SS[.S[S[S[S]]]]] [+/-ZZZZ] The minimum acceptable precision is to the nearest minute; seconds are desirable. If Coordinated Universal Time (UTC) offset is not sent, it is assumed to be offset of the receiver.	MDS
Event Facility	Treating facility where the original event occurred.	MDS
Patient Identifier List	Patient's unique identifier(s) from the facility that is submitting this report to public health officials	MDS
Patient Name	SSEDON does not require the patient name. The Patient ID number will be used to identify uniquely the patient. HL7 does require the patient name field for a PID segment. The patient name field must still be populated even when reporting de-identified data. Literal value for the element "~^^^^^^S"	HL7
Patient Date/Time of Birth	Patient's date of birth. YYYYMMDD[HHMM] Preferred precision is to the nearest day and time components may be sent if they are known Ex: 19580704 or 200409081426	SSEDONR
Patient Gender	Code for the gender of the patient.	MDS
Patient Race	Code for the race of the patient.	MDS
Patient Address	Patient's primary residence address. Only the patient's zip code is required in the patient address for keeping the patient data de-identified.	MDS
State or Province	Code or text indicating state or Province of residence	MDS
Zip Code	Postal Code portion of the patient's home address. Extended zip code values are not required but may be sent.	MDS
Country	Code indicating country of residence	MDS
Patient Ethnic Group	Further defines the patient's ancestry as Hispanic, Non-Hispanic or Unknown. No repetitions.	MDS
	Ex: H or N or N^NON-HISPANIC (text is optional	
Patient Death Date and Time	Required if PID-30 Patient Death Indicator = "Y".	SSEDONR
	YYYYMMDD[HH[MM]] The minimum acceptable precision is to the nearest day; time components are desirable	
	Ex: 20110319 or 20110319041627	
Patient Death Indicator	Code indicating if the patient is deceased.	SSEDONR
	Ex: Y (the patient died) or N (the patient is still alive)	
Patient Class	Patient Class does not have a consistent industry-wide definition and is subject to site-specific variations. SSEDON supports only messages with Patient Class = E (Emergency Department visits) or I (Inpatient Admission) or O (Outpatient). Literal values: "E", "I" or "O"	MDS
Patient Type	Identifier for internal department	SSEDONR
Visit Number	Unique Identifier for this visit by this patient at this hospital.	MDS
Discharge Disposition	Patient's anticipated location or status following the encounter.	MDS
Admit Date/Time	Date and time of the patient presentation.	MDS
	Format: YYYYMMDDHHMM[SS[.S[S[S[S]]]]] [+/-ZZZZ]	
	The minimum acceptable precision is to the nearest minute; seconds are desirable. If Coordinated Universal Time (UTC) offset is not sent, it is assumed to be offset of the receiver.	

Discharge Date/Time	Date and time of the patient discharged. Format: YYYYMMDDHHMM[SS[.S[S[S[S]]]]] [+/-ZZZZ] The minimum acceptable precision is to the nearest minute; seconds are desirable. If Coordinated Universal Time (UTC) offset is not sent, it is assumed to be offset of the receiver.	MDS
Admit Reason	Short description of the reason for patient's visit. If the description text has been identified with a code, the code must also be sent. Ex: ^FEVER/COUGH, HA or 112.0^THRUSH^I9	MDS
Mode of Arrival	Indicates how the patient arrived at health care facility	SSEDONR
Diagnosis Code		MDS
Diagnosis Type	Identifies the type of diagnosis being sent.	MDS

In addition to the standard demographic and diagnostic data elements Nebraska Public Health has included many clinical data elements to the extended data set.

Blood Pressure (Initial)	SSEDONE
Pulse Rate (Initial)	SSEDONE
Respiratory Rate (Initial)	SSEDONE
Temperature (Initial)	MDS
Pulse Oximetry (Initial)	MDS
X-ray Ordered	SSEDONE
Blood Culture Ordered	SSEDONE
Blood Gas Ordered	SSEDONE
WBC Result	SSEDONE
Influenza A Test Result	SSEDONE
Influenza B Test Result	SSEDONE
ED Acuity Assessment	SSEDONE
Height	SSEDONE
Weight	SSEDONE
BMI	SSEDONE
Smoking Status	SSEDONE
Most recent Hemoglobin A1C result	SSEDONE
Transferred to/from ICU	SSEDONE
Pregnancy Status	SSEDONE
Order for Ventilator	SSEDONE
Order for Droplet precautions	SSEDONE
Presence/History of cough	SSEDONE
Presence/History of sore throat	SSEDONE
Presence/History of Fever	SSEDONE
Date of Onset	MDS
Patient Age	MDS
Facility/Visit Type	MDS